sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

08.05.2021

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	08.05.2021	8.158	502.3	22.32
2	10.04.2021	08.05.2021	8.169	526.9	23.42
3	10.04.2021	08.05.2021	8.125	531.7	23.63

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

17.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	17.04.2021	8.021	336.5	14.96
2	10.04.2021	17.04.2021	8.158	348.5	15.49
3	10.04.2021	17.04.2021	8.169	352.3	15.66

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853834, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

08.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	08.05.2021	8.169	510.6	22.69
2	10.04.2021	08.05.2021	8.003	528.9	23.51
3	10.04.2021	08.05.2021	8.154	534.7	23.76

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Material Testing Laboratory)

#89-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road Bangalore
Ph: 9449813834, 8762194388
Email: sapienceblangalore@gmail.com

Job No: SCE/BBMP/RL/17/2021-2022

17.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, I.C. no. Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	17.04.2021	8.151	341.2	15.16
2	10.04.2021	17.04.2021	8.134	358.9	15.95
3	10.04.2021	17.04.2021	8.170	364.7	16.21

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No: SCE/BBMP/RL/17/2021-2022

08.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	08.05.2021	8.169	486.9	21.64
2	10.04.2021	08.05.2021	8.190	493.4	21.93
3	10.04.2021	08.05.2021	8.133	503.3	22.37

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers

#BR-003, GANGA Jnanabharathi Enclave,
Vidyaranyapuri, Mysore Road,Bangalore
Ph: 9448863634, 8762194388
Email: sapienceblr@gmail.com

Job No: SCE/BBMP/RL/17/2021-2022

17.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, RR Nagar Division,BBMP, Bangalore.

Contractor : Sri. R Lokesh, Contractor, Bangalore.

Name of the work : Comprehensive development of roads and drains in Muthyalanagara, LC 4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	17.04.2021	8.150	340.0	15.11
2	10.04.2021	17.04.2021	8.136	356.8	15.86
3	10.04.2021	17.04.2021	8.028	363.2	16.14

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA Jnanabharathi Enclave,
Valagerahalli, Mysore Road Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

08.05.2021

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	08.05.2021	8.154	488.9	21.73
2	10.04.2021	08.05.2021	8.021	491.2	21.83
3	10.04.2021	08.05.2021	8.137	507.8	22.57

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

17.04.2021

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Contractor : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	17.04.2021	8.125	340.2	15.12
2	10.04.2021	17.04.2021	8.163	351.6	15.63
3	10.04.2021	17.04.2021	8.198	363.2	16.14

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಜಿ.ಪಟ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Testing, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

08.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Contractor	**: Sri. R Lokesh,** Contractor, Bangalore.
Name of the work	Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.04.2021	08.05.2021	8.025	502.0	22.31
2	10.04.2021	08.05.2021	8.169	526.3	23.39
3	10.04.2021	08.05.2021	8.031	534.7	23.76

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(ISO, Geo Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email. sapiencebangalore@gmail.com

No.: SCE/BBMP/RL/17/2021-2022

Date: 21.04.2021

KERB STONE (CORE) TEST REPORT

Client	:	: **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency	:	: **Sri. R Lokesh,** Contractor, Bangalore.
Name of Work	:	Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)
No.of Sample Tested	:	3
Date of Testing	:	21.04.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.357	2331.01	1.56	0.952	25.60	13.04	14.08	13.41	16.76
2	50.00	82.00	0.379	2353.94	1.64	0.961	26.70	13.60	14.69	14.12	17.64
3	50.00	86.00	0.399	2362.90	1.72	0.970	27.80	14.16	15.29	14.83	18.54

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date 03.04.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency : **Sri. R Lokesh,** Contractor, Bangalore.
Name of the Work Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Date of Testing 03.04.2021
Size of Blocks : 400mm x 200mm x 200mm
Cross Sectional Area : 80000 mm^2
Technical Reference : IS: 2185 (Part 1) - 2005
No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.5	302.1	3.78	2093.75	Minimum required Compressive Strength of Individual Units $3.5N/mm^2$
2	Block 2	34.8	308.9	3.86	2175.00	
3	Block 3	35.6	312.3	3.90	2225.00	
4	Block 4	36.7	319.8	4.00	2293.75	

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Civil Engg, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

JobNo: SCE/BBMP/RL/17/2021-2022

Date 22.05.2021

GRADATION FOR GSB (Grading V)

Client : : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency: : **Sri. R Lokesh,** Contractor, Bangalore.
Name of work: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing 20.05.2021 to 22.05.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1625	1625	12.50	87.50	80-100
26.5	2239	3864	29.72	70.28	55-90
9.5	2147	6011	46.24	53.76	35-65
4.75	1654	7665	58.96	41.04	25-50
2.36	2879	10544	81.11	18.89	10-20
0.85	1622	12166	93.58	6.42	2-10
0.425	270	12436	95.66	4.34	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	23.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Soil, Geo Tech & Road Materials Testing Laboratory)

#B3 003, GANGA, Iravathavathi Enclave,
Vallagerahalli, Mysore Road Bangalore
Ph: 9448653634, 8762194388
Email: sapiencebangalore@gmail.com

Job No: SCE/BBMP/RL/17/2021-2022

Date: 22.05.2021

GRADATION FOR GSB (Grading V)

Client : : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency: : Sri. R Lokesh, Contractor, Bangalore.
Name of work: Comprehensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumaramagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

BIS Code: IS 2386 Part (I):1963
IS 2720 part (5):1985

Date of Testing 20.05.2021 to 22.05.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1629	1629	12.53	87.47	80-100
26.5	2215	3844	29.57	70.43	55-90
9.5	2147	5991	46.08	53.92	35-65
4.75	1632	7623	58.64	41.36	25-50
2.36	2845	10468	80.52	19.48	10-20
0.85	1632	12100	93.08	6.92	2-10
0.425	270	12370	95.15	4.85	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	24.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Leading Geo-Tech & Road Materials Testing Laboratory)

#89-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No: SCE/BBMP/RL/17/2021-2022

Date 22.05.2021

GRADATION FOR GSB (Grading V)

Client : : Executive Engineer, RR Nagar Division,BBMP, Bangalore.
Agency: : Sri. R Lokesh, Contractor, Bangalore.
Name of work: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing 20.05.2021 to 22.05.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1852	1852	14.25	85.75	80-100
26.5	2369	4221	32.47	67.53	55-90
9.5	2145	6366	48.97	51.03	35-65
4.75	1748	8114	62.42	37.58	25-50
2.36	2856	10970	84.38	15.62	10-20
0.85	1632	12602	96.94	3.06	2-10
0.425	223	12825	98.65	1.35	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	23.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Testing, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA Jnanabharathi Enclave,
Valagerahalli, Mysore Road Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

JobNo: SCE/BBMP/RL/17/2021-2022

Date 22.05.2021

GRADATION FOR GSB (Grading V)

Client : : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
Agency: : **Sri. R Lokesh,** Contractor, Bangalore.
Name of work: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Date of Testing 20.05.2021 to 22.05.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1700	1700	13.08	86.92	80-100
26.5	2136	3836	29.51	70.49	55-90
9.5	2125	5961	45.85	54.15	35-65
4.75	1954	7915	60.88	39.12	25-50
2.36	2748	10663	82.02	17.98	10-20
0.85	1632	12295	94.58	5.42	2-10
0.425	292	12587	96.82	3.18	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	22.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner